

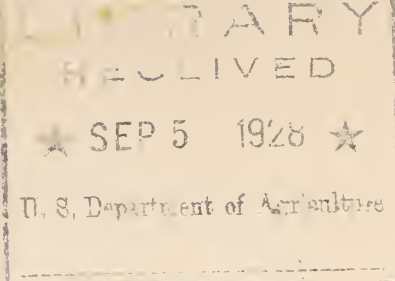
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UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics  
Washington



F.S.  
E-17

August 31, 1928

FOREIGN NEWS ON HOPS  
- - - - -

HOP SITUATION IN AUGUST 1928

A reduction in the stocks of old hops in Great Britain and prospects of little, if any, increase this year in the production of hops in England are factors favorable to the marketing of American hops in that country. On the other hand, a probable increase in Canadian hop production may tend to decrease the Canadian demand for our hops.

Total acreage reported for the United States, Canada and the United Kingdom for 1928 is 50,769 acres compared with 48,641 acres in 1927. British and Canadian acreages are both reported as larger than last year as well as the United States acreage. British conditions have not been favorable and the crop is not expected to be much, if any, larger than the small harvest in 1927. British stocks of domestic hops have been reduced by the short crop of 1927 and by sales of 1924 and 1925 crop supplies which should strengthen somewhat the British demand for hops. No report is available on the hop acreage in Belgium which also competes with the United States to some extent in supplying the British market. Peronospora has appeared in Belgian vineyards again this year. Last year's crop suffered particularly from this pest.

British takings of United States hops in the first eleven months following the 1927 harvest were somewhat larger than for that period the preceding season and were also larger than the total takings for any year since the British duty went into effect. Canadian takings of hops from the United States, the principal foreign source of supply, have decreased with the increase in Canadian production and in the year ended March 31, 1928 were the smallest in the past 9 years.

Conditions of hops on the continent of Europe were less favorable the middle of August than at the same time last year, according to trade reports, but these hops do not compete to any extent with American hops.

United States

The acreage in the United States is placed at 25,600 acres, an increase of 1,000 acres over last year's area, according to the August report of the Crop Reporting Board. On the basis of conditions the first of August the crop is forecast at 33,300,000 pounds, which is an increase of 3,500,000 pounds over the 1927 production, and larger than any crop reported since 1920. For detailed report of acreage and production in the United States and other countries in 1927 and earlier years, see table, pages 7 and 8.





Canada

An additional 332 acres planted to hops in 1927 in British Columbia will come into bearing this fall, indicating a total acreage of 1,369 acres hops to be harvested as compared with 1,037 reported for 1927. In view of the large crop expected this year arrangements have been made for 2,000 workers, 50 per cent more than last year, to harvest the crop, according to a trade report. Practically the total Canadian hop crop is grown in British Columbia. According to the census of 1921, Ontario, the only other province where hops are grown, reported only 4 acres planted to this crop. Prior to 1925 the Canadian hop acreage showed very little change from year to year, the acreage harvested being about 500 acres annually. In 1925 about 1,000 acres of land suitable for hop cultivation, in the reclaimed area of the Sumas district, were placed on the market (see Foreign Service Release No. 15, October 11, 1927, page 3). This was largely taken up and planted to hops by experienced growers from the United States Pacific Coast. Part of the new land came into bearing for the first time in 1927. The acreage harvested that year was placed at 1,037 acres as compared with 594 in 1926. A crop of 1,426,000 pounds was harvested, the yield per acre was low as compared with earlier years, however, being only 1,375 pounds as compared with 1,644 pounds, the average yield for the five year period 1922-1926. The quality of the hops was said to be very satisfactory.

The increased production of hops in Canada is reflected in the international trade statistics. In the table given on the following page it may be noted that imports of hops have been steadily decreasing since 1922-23 with the exception of 1924-25 when there was a slight increase over the previous year. The United States continues to be the chief source of supply. Exports of hops from Canada, which showed a falling off during the period 1923-24 to 1926-27, increased from 258,000 pounds in 1926-27 to 869,000 in 1927-28. The trade statistics indicate also that a larger proportion of the Canadian crop is being used in the domestic brewing industry. According to trade estimates the Canadian breweries consumed 2,614,597 pounds of hops in 1926 as compared with 2,508,537 pounds in 1925. With a continued expansion of the hop industry Canadian imports may show a further decline. A trade report quoting the Provincial Horticulturist for British Columbia states that an unlimited area of land could be secured which would be suitable for hop growing. The limiting factor has probably been the amount of capital required at the outset, the report states.



HOPS: Canadian imports and exports, by countries,  
fiscal years 1919-20 to 1927-28

Year ending March 31	Imports				Exports		
	United Kingdom	United States	Other	Total	United Kingdom	Total	Net imports
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1920 .....	32	1,752	67	1,851	--	7	1,844
1921 .....	57	1,498	127	1,682	19	75	1,607
1922 .....	46	2,056	40	2,142	769	781	1,361
1923 .....	66	3,122	192	3,380	621	637	2,743
1924 .....	79	2,626	126	2,831	898	899	1,932
1925 .....	51	2,569	254	2,874	731	742	2,132
1926 .....	103	2,303	307	2,713	257	261	2,452
1927 .....	209	1,700	342	2,251	257	258	1,993
1928 .....	142	1,466	461	2,069	843	869	1,200

### Great Britain

The British hop acreage is reported at 23,800 acres, an increase of 800 acres over that of 1927. There has been no movement reported during the current season to cut down the acreage, similar to that in the past few years, probably due to the fact that last year's crop was small and sales of some of stocks from earlier crops appear to have cut down the supply on hand. The condition of hops in Great Britain the beginning of August was varied, but on the whole not too promising. In the south-eastern countries the vine made fair growth during July but was still rather backward and inclined to be slack in nearly all gardens. In the western counties growth had been retarded by the hot, dry weather and the vine was stunted. Attacks of aphid and blight had been general and persistent. Yields were expected to be light, according to the Ministry of Agriculture and Fisheries. Last year's yield per acre of 1,243 pounds was one of the lowest in the past 5 years and below the average of 1,433 pounds, but the average yield in this period has been higher than for any other similar period at least since 1909, so it is possible with the poor conditions reported so far this year that the crop may be no larger than last year, in spite of the increase in acreage. No indication of the quality of this year's crop is available. The 1927 crop was of good quality.



<sup>a</sup> The number of subjects who were included in each group was 10.

$\mathcal{H} = \{ \mathcal{H}_1, \mathcal{H}_2, \dots, \mathcal{H}_n \}$

[illegible]

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D).

the 1990s, the number of people in the world who are undernourished has declined from 1.1 billion to 800 million. The number of people who are malnourished has declined from 1.5 billion to 1 billion. The number of people who are obese has increased from 100 million to 300 million. The number of people who are overweight has increased from 100 million to 300 million. The number of people who are obese and overweight has increased from 100 million to 300 million. The number of people who are obese and overweight has increased from 100 million to 300 million.

[illegible]



No definite report is available on the stocks of old crop hops still on hand, but present indications are that they are less burdensome than they have been in any of the past three or four years. It has been reported that the annual production in recent years has been about a third greater than the annual requirement of domestic hops, and in the spring of 1927 it was stated that there was the equivalent of one season's crop held in reserve by the English Hop Growers, Ltd., an organization founded to stabilize the supply of British hops. There were some hops sold during the year for fertilizer and a director of the company is reported as stating that 11,200,000 pounds of the 1924 crop and about 13,440,000 pounds of the 1925 crop had been sold at less than one cent per pound. Due to this reduction in stocks and to the small size of the 1927 crop which was about three-fourths the size of the 1926 crop and about two-thirds of the average for the three years 1924-1926, it is believed that the supply of old hops is much less burdensome than in recent years.

There has been some agitation to increase the duty on foreign hops recently in spite of the decrease in the British crop. In 1925 a duty was placed on importation of foreign hops into Great Britain amounting to approximately 16 cents a pound at par of exchange, effective October 1, 1925. British imports of hops from the United States decreased by over half in the year following the imposition of this duty, amounting to only 4,162,000 pounds in the year beginning September 1, 1925 compared with 8,417,000 the preceding year; and imports from other countries fell still further. The next year there was a slight increase and in the year just closing a further increase but imports, both from the United States and total, are still well below those before the levying of the duty. In 1925 and 1926 exports from the large British supplies more than balanced imports. For the period September through July of 1927-28 following the small British crop British imports from the United States were 6,005,000 pounds compared with 4,676,000 pounds the corresponding period in 1926-27, and 4,726,000 for the total 12 months last year. Exports were small in this period leaving a net import of 8,660,000 pounds compared with a net export of 968,000 pounds for the same period a year ago.



HOPS: Acreage, production and trade in the United Kingdom  
for crop years 1924 to 1927

Crop year and month	Acreage	Pro- duction	Trade, year beginning September 1					Net imports (+ = net exports)
			Imports			Exports		
			From United States	From other countries	Total			
	Acres	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	
1924 .....	25,897	49,840	8,417	1,647	10,064	4,623	5,441	
1925 .....	26,256	39,760	4,162	734	4,896	9,583	+ 4,687	
1926 .....	25,599	37,184	4,726	1,085	5,811	6,948	+ 1,137	
Sept-July ....	---	---	4,676	1,084	5,760	6,728	+ 968	
September ....			61	33	94	440	+ 346	
October .....			82	32	114	390	+ 276	
November .....			259	23	282	378	+ 96	
December .....			1,023	288	1,311	269	1,043	
January .....			899	77	976	368	608	
February .....			1,277	322	1,599	218	1,381	
March .....			512	4	516	1,429	+ 913	
April .....			173	1	174	1,602	+ 1,428	
May .....			154	180	334	984	+ 650	
June .....			198	6	204	531	+ 328	
July .....			38	118	156	119	37	
August .....			50	1	51	221	170	
1927 .....	23,004	28,560	---	---	---	---	---	
Sept-July ....	---	---	6,005	4,836	10,841	2,181	8,660	
September ....			177	90	267	165	102	
October .....			494	533	1,027	192	835	
November .....			2,239	1,431	3,670	97	3,573	
December .....			1,256	1,259	2,515	192	2,323	
January .....			1,042	424	1,466	162	1,304	
February .....			428	537	965	195	770	
March .....			147	309	456	313	143	
April .....			58	61	119	150	+ 31	
May .....			56	37	93	378	+ 285	
June .....			99	82	181	194	+ 13	
July .....			9	73	82	143	+ 61	
August .....								
1928, prel. ....	23,800							

Compiled from Accounts Relating to the Trade and Navigation of the United Kingdom.





Production of beer in the United Kingdom which had been decreasing from 1924 to 1926 increased slightly for the six months ending September 1927, the latest period for which figures are available, amounting to 10,633,000 barrels compared with 10,534,000 for the corresponding period the preceding year.

UNITED KINGDOM: Hop prices, consumption, and beer production and consumption

Year beginning April 1	:Average price: :per pound of :English :hops, :season Sept- :March a/	Hop :consumption: :b/ c/	Beer :brewed b/	Beer retained for consumption	
				Total amount	Per capita
	<u>Cents</u>	<u>1,000 lbs.</u>	<u>1,000</u> standard <u>barrels</u>	<u>1,000</u> standard <u>barrels</u>	<u>Gallons</u>
1922 .....	d/ 47.47	: 36,900	: 18,564	: 20,006	: 16.2
1923 .....	d/ 59.20	: 39,200	: 19,890	: 20,570	: 16.6
1924 .....	d/ 40.42	: 42,000	: 20,954	: 21,952	: 17.3
1925 .....	51.91	: 38,640	: 21,034	: 21,034	: 16.7
1926 .....	50.97	: 38,640	: 19,745	: 20,800	: 16.5
Six months -	:	:	:	:	:
April-Sept.-	:	:	:	:	:
1926 .....	:	:	: 10,534	:	:
1927 .....	:	:	: 10,633	:	:

Compiled from the Brewers' Almanack, 1928.

a/ Conversions made at yearly average rates of exchange as reported by Federal Reserve Board. b/ Calculated according to the number of standard barrels charged with beer duty. c/ These figures apparently include consumption of imported as well as domestic hops. d/ Prices under hop control.

Continental Europe

The growth of the hop plants on the European continent was retarded by cold and rainy weather which lasted nearly to the end of June, according to John Barth and Son. Later conditions improved the crop somewhat but by the middle of August the expectation was for a yield less than in 1927. Vermin and diseases which had been prevalent up to the middle of July disappeared in August, but the red spider was beginning to appear in some regions. Rains the first of August improved conditions somewhat but further rain was needed. In countries which last year suffered from peronospora this pest has appeared again and is being fought persistently by the farmers. Czechoslovakia, Alsace and Germany suffered particularly from this pest during 1927. Improvement of the plants depends to a great extent upon weather conditions during the balance of the growing season. The condition of hops in Zatek (Saaz) and other parts of Czechoslovakia was reported as satisfactory up to the first of July, according to the Consular service, although the growth was somewhat retarded by a cold spell and plants were infested by lice.

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Hop production in Continental European countries reported for 1927, exclusive of Belgium, amounts to 64,300,000 to 64,900,000 pounds, according to latest reports compared with 42,792,000 pounds in the same countries in 1926 and 43,152,000 pounds in 1925. Production of hops in these countries competes to only a very limited extent with United States hops.

HOPS: Acreage and production in specified countries,  
average 1909-1913, annual 1924-1927

Country	: Average : : 1909-1913 : : a/ :	1924	: 1925 :	1926	: 1927 :
ACREAGE	: Acres :	Acres	Acres	Acres	Acres
North America -					
Canada <u>b/</u> .....	<u>c/</u> 718	507	507	594	1,037
United States <u>d/</u> .....	<u>e/</u> 45,000	20,350	20,350	20,800	24,600
Europe -					
England and Wales .....	33,797	25,897	26,256	25,599	23,004
Belgium .....	5,313	3,123	3,155	3,501	3,744
Total above countries ..	84,828	49,877	50,268	50,494	52,385
France .....	17,072	10,052	10,267	10,939	11,977
Germany .....	56,267	28,738	30,821	35,012	38,318
Austria .....	<u>f/</u> 6,210	264	277	279	<u>g/</u> 773
Czechoslovakia .....	38,385	20,242	22,343	25,911	31,130
Yugoslavia .....	3,749	5,503	5,019	10,210	22,000
Hungary .....	<u>f/</u> 628	178	106	86	---
Rumania .....	<u>f/</u> 664	<u>g/</u> 371	---	---	---
Poland .....	11,963	4,964	6,175	5,263	6,373
Russia .....	---	---	---	---	---
Total Eur. count. rept'g:					
all periods shown, excl:					
England and Belgium ...	133,646	69,763	74,902	87,614	110,571
Oceania -					
Australia .....	1,251	1,806	1,732		
New Zealand .....	653	738	648	636	
Total all count. rept'g:					
all periods shown .....	218,474	119,640	125,170	138,108	172,956
Estimated world total,					
excl. Russia <u>h/</u> .....	222,000	123,000	128,000	141,000	

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1. RESEARCH REPORT ON THE USE OF THE TELEPHONE IN THE UNITED STATES OF AMERICA IN 1947 AND 1948 AND 1949 AND 1950 AND 1951 AND 1952 AND 1953 AND 1954 AND 1955 AND 1956 AND 1957 AND 1958 AND 1959 AND 1960 AND 1961 AND 1962 AND 1963 AND 1964 AND 1965 AND 1966 AND 1967 AND 1968 AND 1969 AND 1970 AND 1971 AND 1972 AND 1973 AND 1974 AND 1975 AND 1976 AND 1977 AND 1978 AND 1979 AND 1980 AND 1981 AND 1982 AND 1983 AND 1984 AND 1985 AND 1986 AND 1987 AND 1988 AND 1989 AND 1990 AND 1991 AND 1992 AND 1993 AND 1994 AND 1995 AND 1996 AND 1997 AND 1998 AND 1999 AND 2000 AND 2001 AND 2002 AND 2003 AND 2004 AND 2005 AND 2006 AND 2007 AND 2008 AND 2009 AND 2010 AND 2011 AND 2012 AND 2013 AND 2014 AND 2015 AND 2016 AND 2017 AND 2018 AND 2019 AND 2020 AND 2021 AND 2022 AND 2023 AND 2024 AND 2025 AND 2026 AND 2027 AND 2028 AND 2029 AND 2030 AND 2031 AND 2032 AND 2033 AND 2034 AND 2035 AND 2036 AND 2037 AND 2038 AND 2039 AND 2040 AND 2041 AND 2042 AND 2043 AND 2044 AND 2045 AND 2046 AND 2047 AND 2048 AND 2049 AND 2050 AND 2051 AND 2052 AND 2053 AND 2054 AND 2055 AND 2056 AND 2057 AND 2058 AND 2059 AND 2060 AND 2061 AND 2062 AND 2063 AND 2064 AND 2065 AND 2066 AND 2067 AND 2068 AND 2069 AND 2070 AND 2071 AND 2072 AND 2073 AND 2074 AND 2075 AND 2076 AND 2077 AND 2078 AND 2079 AND 2080 AND 2081 AND 2082 AND 2083 AND 2084 AND 2085 AND 2086 AND 2087 AND 2088 AND 2089 AND 2090 AND 2091 AND 2092 AND 2093 AND 2094 AND 2095 AND 2096 AND 2097 AND 2098 AND 2099 AND 2100 AND 2101 AND 2102 AND 2103 AND 2104 AND 2105 AND 2106 AND 2107 AND 2108 AND 2109 AND 2110 AND 2111 AND 2112 AND 2113 AND 2114 AND 2115 AND 2116 AND 2117 AND 2118 AND 2119 AND 2120 AND 2121 AND 2122 AND 2123 AND 2124 AND 2125 AND 2126 AND 2127 AND 2128 AND 2129 AND 2130 AND 2131 AND 2132 AND 2133 AND 2134 AND 2135 AND 2136 AND 2137 AND 2138 AND 2139 AND 2140 AND 2141 AND 2142 AND 2143 AND 2144 AND 2145 AND 2146 AND 2147 AND 2148 AND 2149 AND 2150 AND 2151 AND 2152 AND 2153 AND 2154 AND 2155 AND 2156 AND 2157 AND 2158 AND 2159 AND 2160 AND 2161 AND 2162 AND 2163 AND 2164 AND 2165 AND 2166 AND 2167 AND 2168 AND 2169 AND 2170 AND 2171 AND 2172 AND 2173 AND 2174 AND 2175 AND 2176 AND 2177 AND 2178 AND 2179 AND 2180 AND



HOPS: Acreage and production in specified countries,  
average 1909-1913, annual 1924-1927, Cont'd.

Country	: Average :	:	:	:	:
	:1909-1913:	1924	1925	1926	1927
	: a/ :	:	:	:	:
<u>PRODUCTION</u>	: 1,000 :	1,000	1,000	1,000	1,000
	: pounds :	pounds	pounds	pounds	pounds
North America -	:	:	:	:	:
Canada .....	: 1,026 :	813	848	966	1,426
United States .....	: e/53,654 :	27,670	28,573	31,522	29,794
Europe -	:	:	:	:	:
England and Wales ....	: 33,021 :	49,840	39,760	37,184	28,560
Belgium .....	: 7,008 :	5,478	5,609	5,012	5,724
Total above count.	: 94,709 :	83,801	74,790	74,684	65,504
France .....	: 13,459 :	11,187	11,069	8,881	11,521
Germany .....	: 28,961 :	12,418	10,646	5,562	15,827
Austria .....	: f/ 3,560 :	93	107	86	331
Czechoslovakia .....	: 22,997 :	21,967	15,508	21,316	23,922
Hungary .....	: f/ 511 :	106	66	45	
Yugoslavia .....	: 2,718 :	4,818	2,439	3,781	8,312
Rumania .....	: f/ 548 :	220	207	---	---
Poland .....	: 5,897 :	3,243	3,383	3,164	g/4,410-4,960
Russia .....	: 6,797 :	---	---	---	: i/ 6,753
Total Eur.count.	:	:	:	:	:
rept'g.all periods :	:	:	:	:	:
shown,excl. England:	:	:	:	:	:
and Belgium.....	: 77,592 :	53,726	43,152	42,792	64,323-64,873
Oceania -	:	:	:	:	:
Australia .....	: 1,607 :	2,700	2,184	1,680	
New Zealand .....	: j/ (950) :	1,138	751	896	
Total all count. re-	:	:	:	:	:
porting all periods:	:	:	:	:	:
shown .....	: 172,301 :	137,527	117,942	117,474	129,827-130,377
Estimated world total,:	:	:	:	:	:
excluding Russia ....	: 176,000 :	142,000	121,000	120,000	

Official sources and International Institute of Agriculture except as otherwise stated. Production figures are for the crop harvested in the calendar year in the Northern Hemisphere and the succeeding harvest in the Southern Hemisphere.

a/ Figures for Europe are estimated for present boundaries. b/ British Columbia. c/ Two-year average. d/ Principal producing states. e/ One year only. f/ Four-year average. g/ Unofficial. h/ Exclusive of minor countries for which no data are available. i/ Ukraine only. Most of the Russian crop is grown here. j/ Rough estimate of production for one year based on acreage for that year and yield in later years.



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October 29, 1928

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FOREIGN NEWS ON HOPS

THE HOP MARKET SITUATION

A good market for United States hops abroad is indicated by a crop in the United Kingdom 1,456,000 pounds below that of 1927, together with reduced stocks of old hops.

The production of hops in the United States and Canada in the current year is well above that of last year. The United States crop is placed at 31,810,000 pounds as compared with 29,794,000 pounds produced in 1927, according to the United States crop report of October 9. No estimate has been received for the Canadian crop but as previously stated there will be an additional 332 acres of hops in bearing this year indicating a total acreage of 1,369 acres as compared with 1,037 acres reported for 1927. (See F.S./H-17, August 31, 1928.)

Reports from Continental Europe indicate a crop below that of 1927. While no definite figures have been received, trade reports state that unfavorable weather conditions during the growing season resulted in a low yield. The quality of the hops harvested, however, is said to be very satisfactory.

The production of hops in England and Wales in 1928 is estimated at 27,104,000 pounds from an acreage of 23,762 acres, according to a cable to the Foreign Service of the Bureau of Agricultural Economics from Agricultural Commissioner E. A. Foley. This year's crop is 5.1 per cent below that of 1927 and is the smallest one harvested since 1923 when 25,648,000 pounds were produced. The yield per acre this year was unusually low, being only 1,141 pounds per acre as compared with a yield of 1,242 pounds in 1927 and 1,313 pounds the average yield for the 10 year period 1918-1927. The low yield for the current year was due to unfavorable weather conditions during the growing season. The quality of the crop, however, is said to be very good, according to trade reports.

Acreage and production of hops in England in recent years has been as follows:

Year	Acreage	Production
	<u>Acres</u>	<u>1,000 pounds</u>
1924 .....	25,897	49,728
1925 .....	26,256	39,760
1926 .....	25,599	37,184
1927 .....	23,004	28,560
1928 .....	23,762	27,104

EXHIBITION OF 1978-1980 BUT NOT LISTED  
 elsewhere in this report. It is unclear  
 how much.

1911. 1912. 1913. 1914. 1915. 1916. 1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936. 1937. 1938. 1939. 1940. 1941. 1942. 1943. 1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 2527. 2528. 2529. 2530. 2531. 2532. 2533. 2534. 2535. 2536. 2537. 2538. 2539. 2540. 2541. 2542. 2543. 2544. 2545. 2546. 2547. 2548. 2549. 2550. 2551. 2552. 2553. 2554. 2555. 2556. 2557. 2558. 2559. 2560. 2561. 2562. 2563. 2564. 2565. 2566. 2567. 2568. 2569. 2570. 2571. 2572. 2573. 2574. 2575. 2576. 2577. 2578. 2579. 2580. 2581. 2582. 2583. 2584. 2585. 2586. 2587. 2588. 2589. 2590. 2591. 2592. 25

*Journal of Management Studies*, 19(6), 707-728.

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-17- There is no other information available regarding the above mentioned persons.



The low crop harvested this year together with the reported decrease in stocks will probably mean increased hop imports into the United Kingdom during the coming year. The United States has been the most important source of British hop imports in the past years and will probably continue to be so, since, in spite of the preferential rate of about 5 cents per pound enjoyed by the British countries, imports from the United States to the United Kingdom rose from 4,726,000 pounds in the crop year beginning September 1, 1926 to 6,066,000 pounds in the crop year beginning September 1, 1927. In the table given below the drop in imports from 1924-25 to 1925-26 was probably due to the large accumulation of stocks rather than to the tariff on hop imports which went into effect August 15, 1925. Imports into the United Kingdom from British possessions have been between 11 and 17 per cent of the total imports during the last three seasons, and of this amount Canada has supplied over 50 per cent. With the increased acreage devoted to hops in Canada imports from this source may increase. Canada, however, is also a heavy importer of hops and it may mean that Canadian imports will fall off rather than that the exports will show an increase.

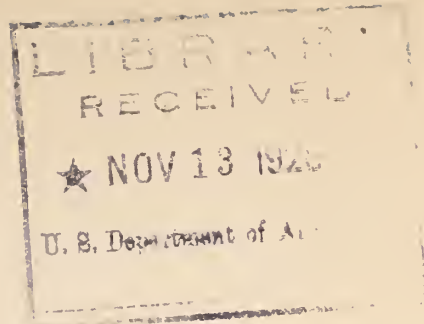
Foreign trade in hops in the United Kingdom during the last four seasons is given below:

| Year<br>beginning<br>September 1 | Imports                  |                                    |                              |                 |  | Exports         |
|----------------------------------|--------------------------|------------------------------------|------------------------------|-----------------|--|-----------------|
|                                  | From<br>United<br>States | From other<br>foreign<br>countries | From<br>British<br>countries | Total           |  |                 |
|                                  | 1,000<br>pounds          | 1,000<br>pounds                    | 1,000<br>pounds              | 1,000<br>pounds |  | 1,000<br>pounds |
| 1924 .....                       | 8,417                    | a/                                 | a/                           | 10,064          |  | 4,623           |
| 1925 .....                       | 4,162                    | 196                                | 538                          | 4,896           |  | 9,583           |
| 1926 .....                       | 4,726                    | 112                                | 973                          | 5,811           |  | 6,948           |
| 1927 .....                       | 6,066                    | 3,504                              | 1,397                        | 10,967          |  | 2,253           |
| a/ Not separately stated.        |                          |                                    |                              |                 |  |                 |



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UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics  
Washington



F. S.  
H - 19

November 7, 1928

FOREIGN NEWS ON HOPS

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PRODUCTION OF HOPS IN GERMANY SHOWS INCREASE

The production of hops in Germany this year is estimated at 18,446,000 pounds, or 16.5 per cent above that of 1927, according to a cable to the Foreign Service of the Bureau of Agricultural Economics from the International Institute of Agriculture at Rome. This is the largest crop harvested since 1915, when 22,857,000 pounds were harvested from an acreage of 47,364 acres. The increase in production over last year is due to a large yield per acre as compared with other years, the acreage this year being placed at 38,048 acres as compared with 38,318 harvested in 1927. The cultivation of hops in Germany continues to be well below the pre-war average; the acreage, however, has been gradually increasing within recent years.

Germany produces a mild type of hops, similar to that grown in Czechoslovakia, which does not normally enter into competition in the British market with the strong flavored type produced in the United States and Canada.

Acreage and production of hops in Germany since 1923 as compared with the pre-war average is given below:

| Year                 | : | Acreage      | : | Production          |
|----------------------|---|--------------|---|---------------------|
|                      | : | <u>Acres</u> | : | <u>1,000 pounds</u> |
| Average, 1911 - 1913 | : | 56,267       | : | 28,961              |
| 1923                 | : | 28,691       | : | 7,011               |
| 1924                 | : | 28,738       | : | 12,418              |
| 1925                 | : | 30,821       | : | 10,646              |
| 1926                 | : | 35,012       | : | 5,562               |
| 1927                 | : | 38,318       | : | 15,827              |
| 1928                 | : | 38,048       | : | 18,446              |

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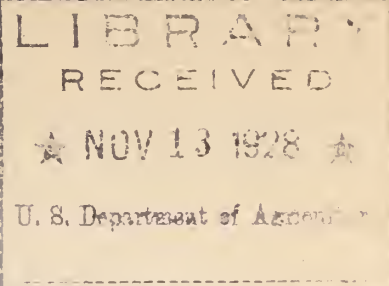
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UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics  
Washington



F.S.  
H-20

November 10, 1928

FOREIGN NEWS ON HOPS

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PRODUCTION OF HOPS IN CZECHOSLOVAKIA

The 1928 hop crop of Czechoslovakia is estimated at 17,368,000 pounds, which is 35.4 per cent below the large crop of 23,922,000 pounds harvested in 1927, according to a cable to the Foreign Service of the Bureau of Agricultural Economics from the International Institute of Agriculture. An early estimate reported by the Institute placed the crop at 15,432,000 pounds. The quality of this year's crop is said to be very good. Czechoslovakia produces a very choice type of mild flavored hops which does not normally enter into competition with the strong flavored type produced in the United States and Canada.

Acreage and production of hops in Czechoslovakia within recent years are given below.

| Year       | Acreage      | Production          |
|------------|--------------|---------------------|
|            | <u>Acres</u> | <u>1,000 pounds</u> |
| 1923 ..... | 19,177       | 6,819               |
| 1924 ..... | 20,242       | 21,967              |
| 1925 ..... | 22,343       | 15,508              |
| 1926 ..... | 25,911       | 21,316              |
| 1927 ..... | 31,130       | 23,922              |
| 1928 ..... | ---          | 17,368              |

